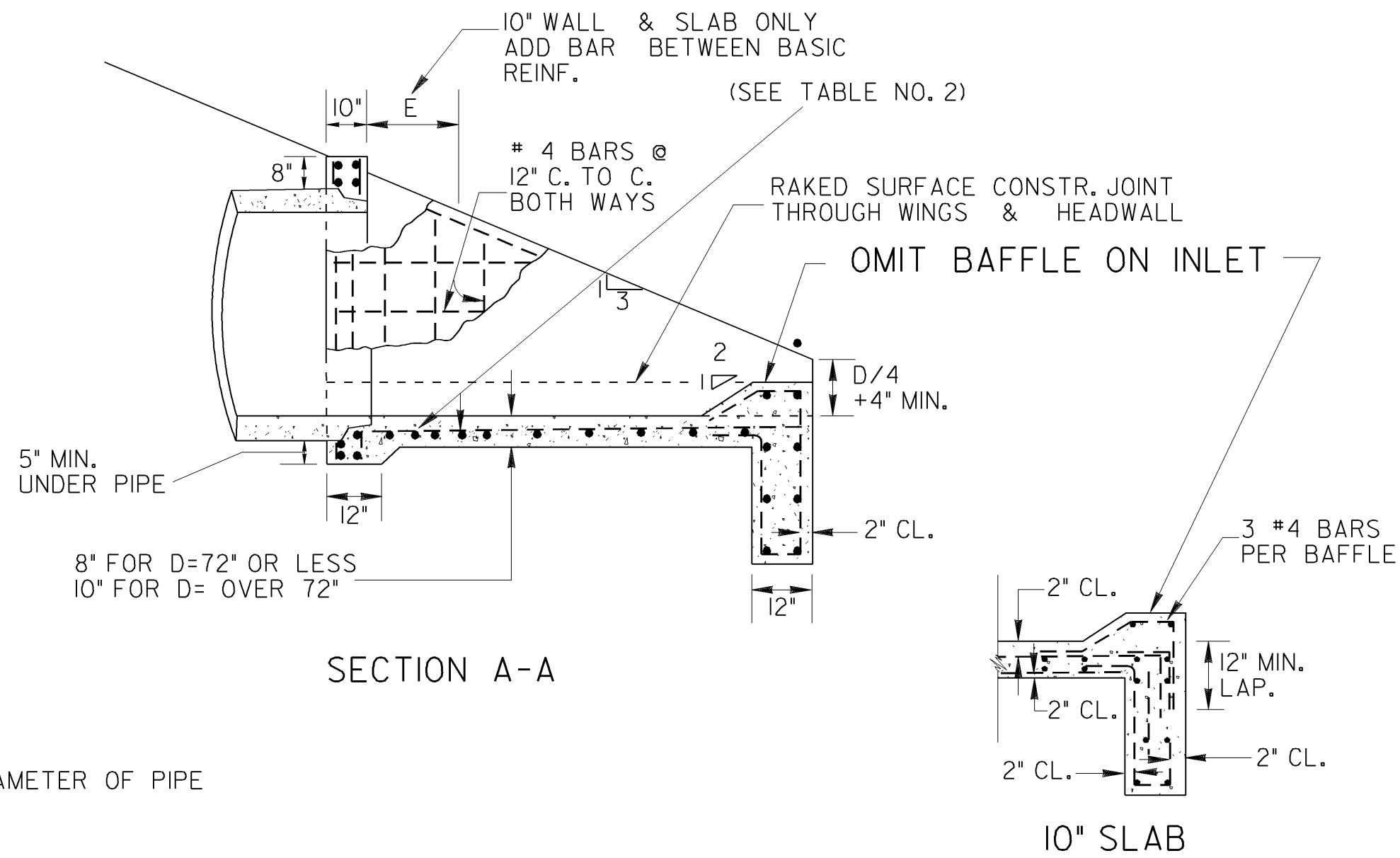
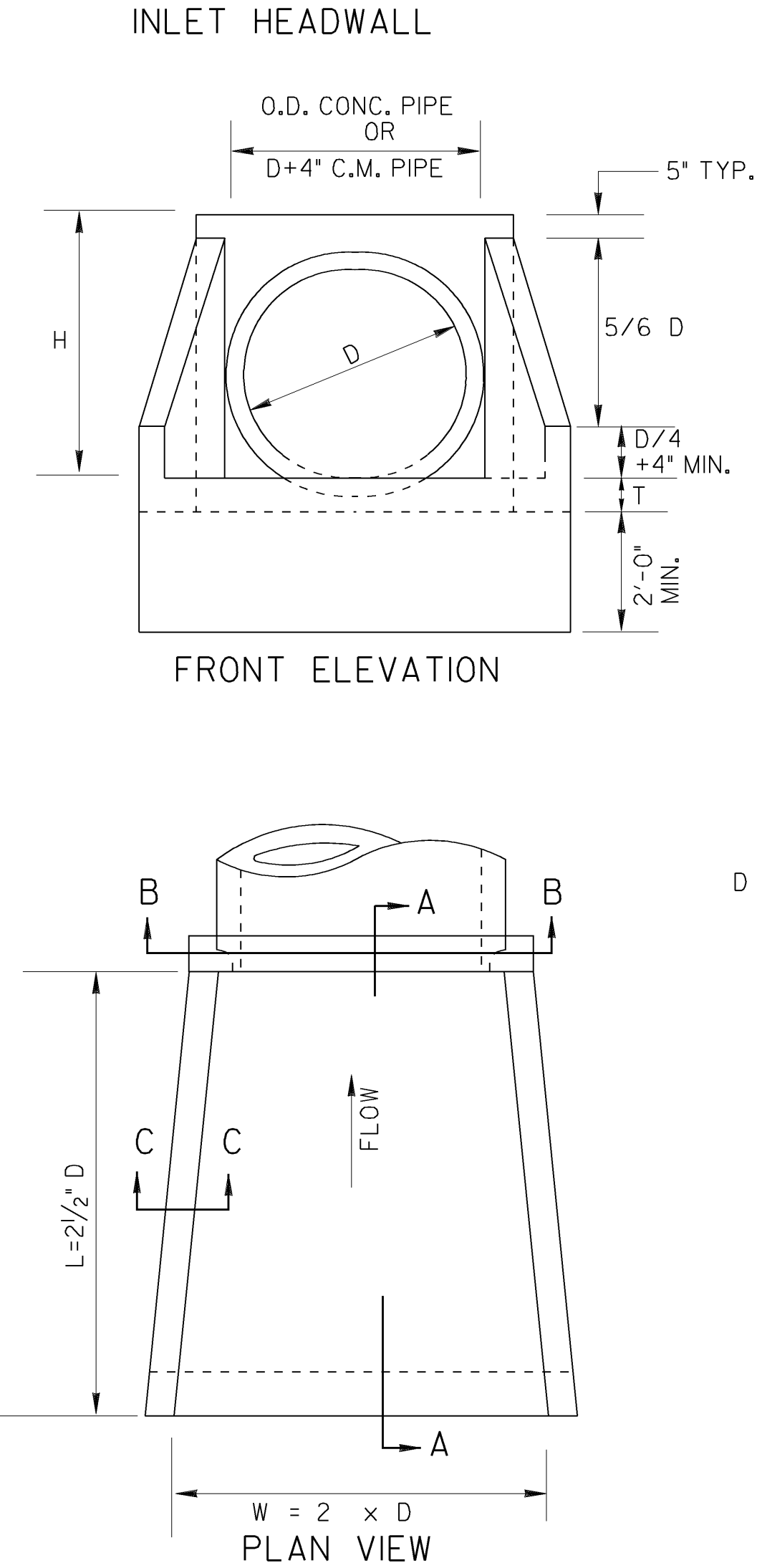
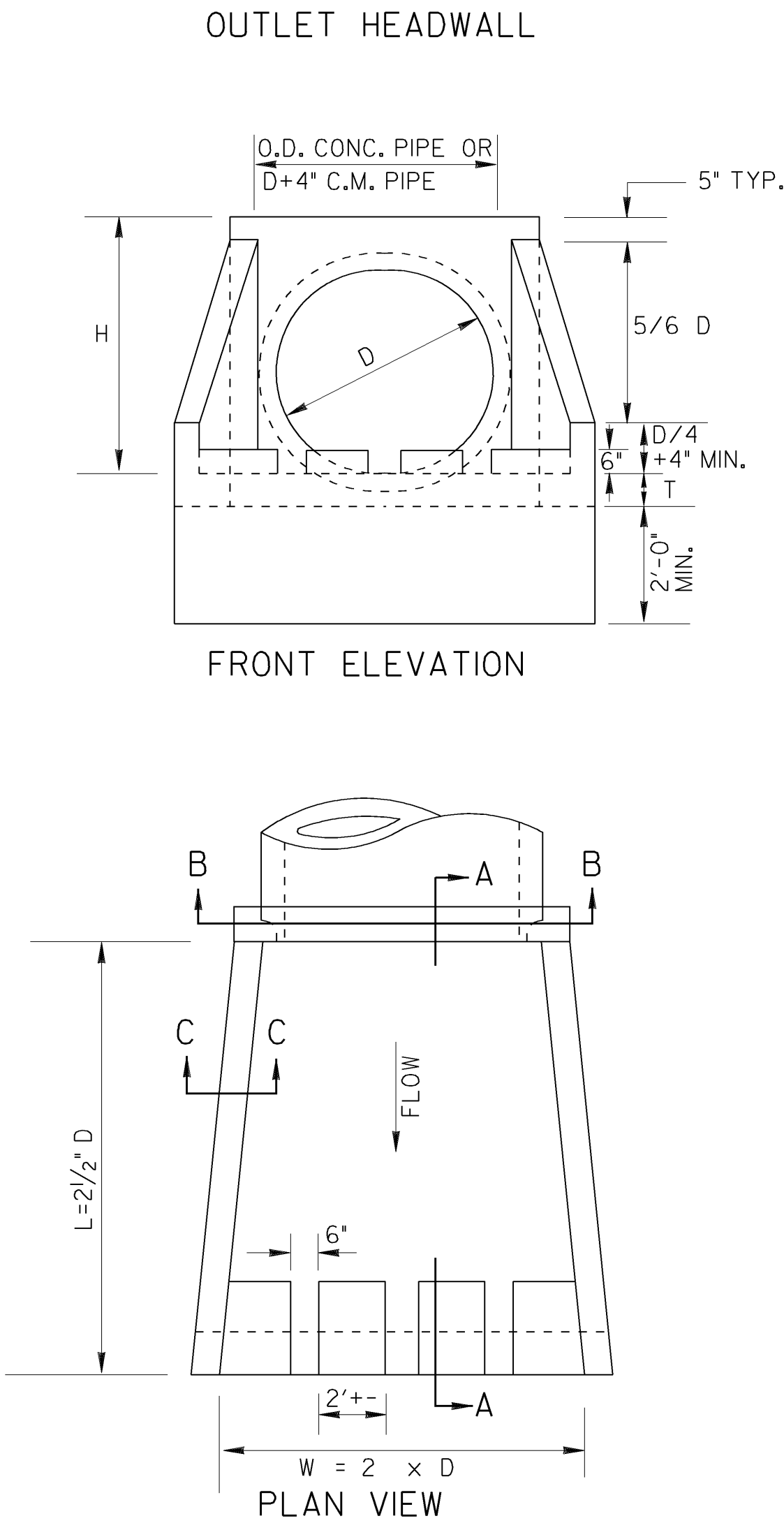




D = INSIDE DIAMETER OF PIPE

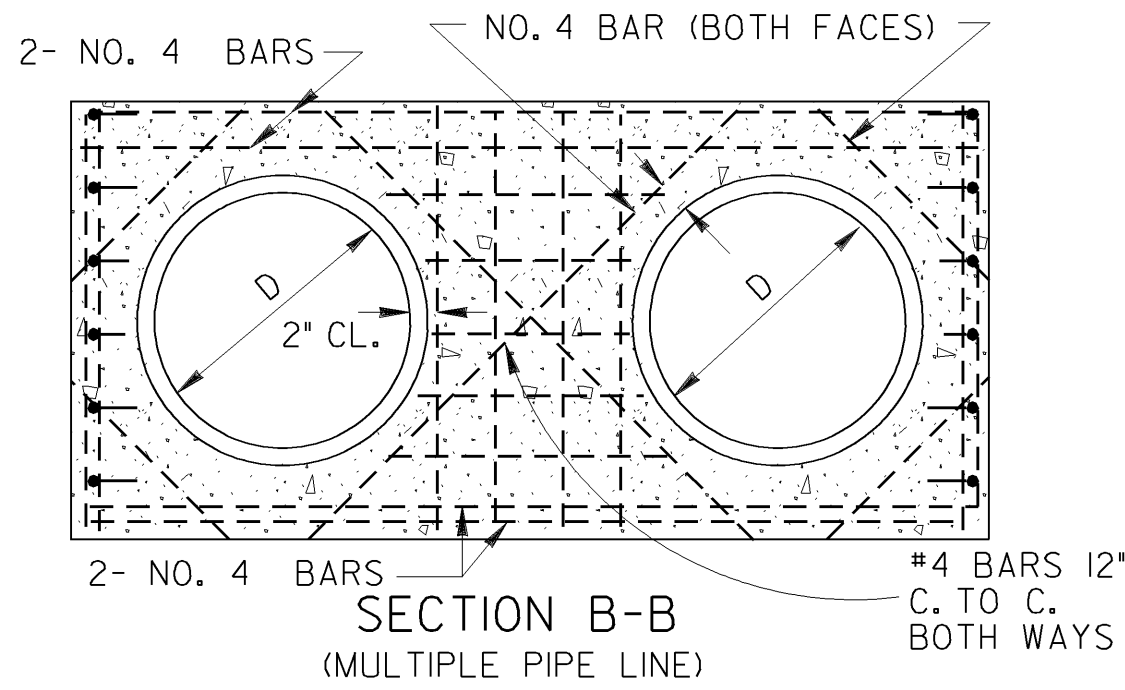
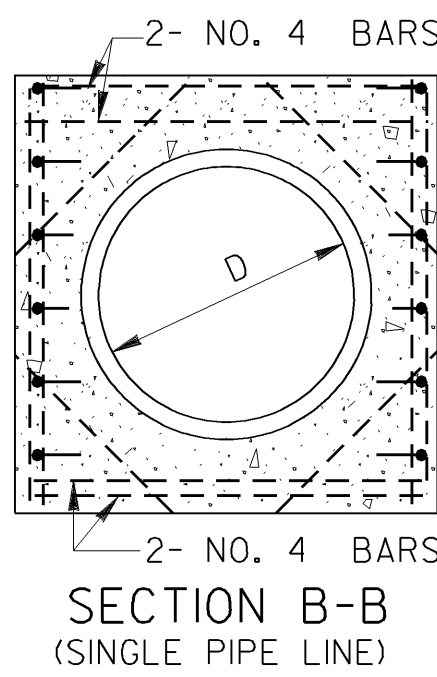


TABLE NO. 1- QUANTITIES FOR HEADWALLS										
CU. YDS. CONCRETE (PAY QUANTITIES)						LBS. STEEL (GIVEN FOR INFORMATION ONLY)				
FOR SINGLE LINE			ADD FOR ADD'L LINE			FOR SINGLE LINE		ADD FOR EACH ADD'L LINE		
D	INLET	OUTLET	INLET	OUTLET		INLET	OUTLET	INLET	OUTLET	
15"	0.87	0.93		0.60	0.66	102	113	73	83	
18"	1.10	1.16		0.85	0.93	106	117	93	104	
24"	1.61	1.69		1.29	1.37	127	138	124	134	
30"	2.21	2.32		1.83	1.96	170	180	154	164	
36"	2.92	3.05		2.49	2.63	238	254	196	212	
42"	3.73	3.87		3.00	3.17	290	306	231	247	
48"	4.62	4.80		3.58	3.74	335	351	265	281	
54"	5.63	5.83		4.17	4.38	407	428	319	340	
60"	6.72	6.95		4.82	5.01	456	477	360	391	
72"	9.22	9.48		6.24	6.46	623	649	475	494	
84"	14.84	15.19		9.05	9.29	1517	1539	1017	1044	
96"	18.88	19.27		11.13	11.41	2118	2150	1323	1350	

*NOTE:
QUANTITIES SHOWN WILL BE ACTUAL PAY QUANTITIES FOR CLASS "A" CONCRETE, INCLUDING REINFORCED STEEL. NO ADJUSTMENT WILL BE MADE FOR AS BUILT QUANTITIES.

D - INSIDE DIAMETER OF PIPE CULVERT

H = D + 10" MIN. FOR C.M. PIPE
H = D + PIPE WALL THICKNESS + 8" FOR CONC. PIPE
(13/12 D + 9" TYP.)

T = 8" FOR D = 72" OR LESS
T = 10" FOR D = OVER 72"

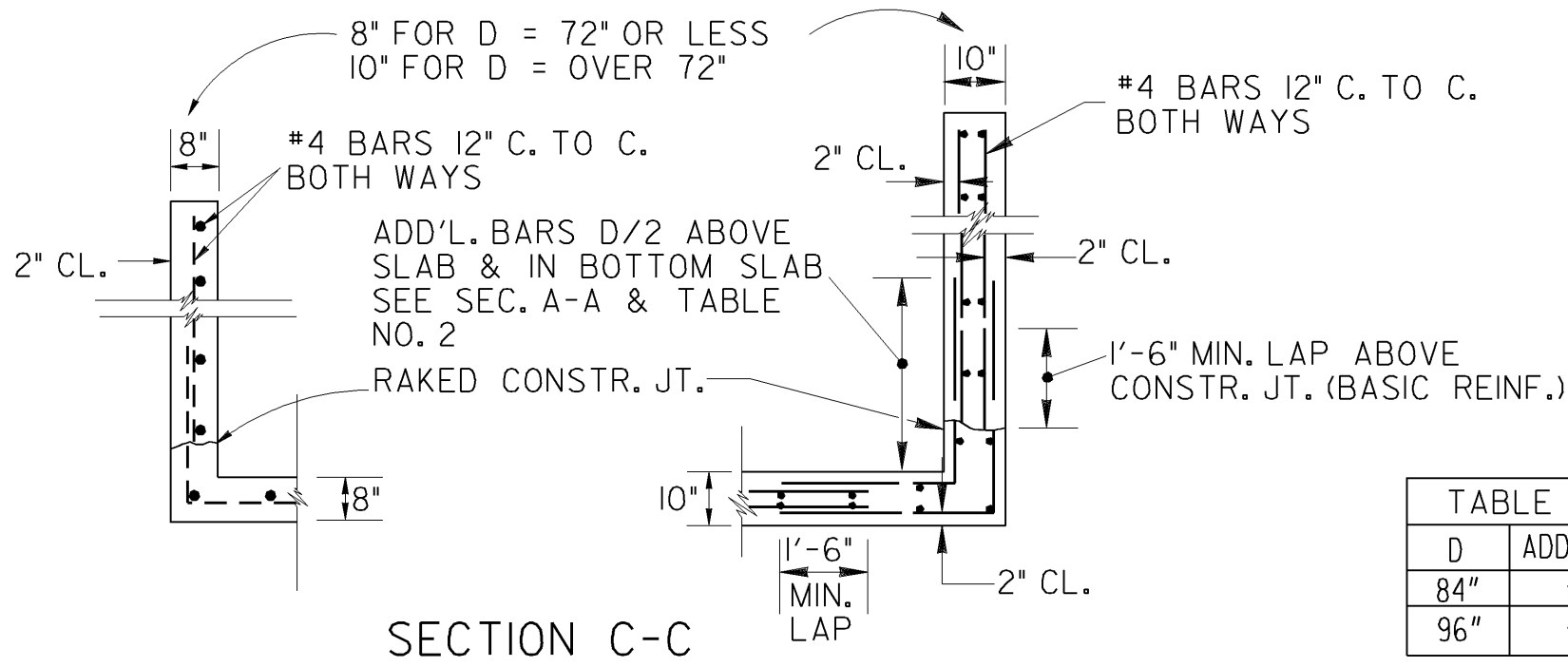


TABLE NO. 2		
D	ADD'L.BAR	E
84"	#4	5'
96"	#4	8'

ADDITIONAL BAR DETAIL

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		STANDARD TAPERED INLET HEADWALL - OUTLET HEADWALL (BUILT-IN-PLACE)	
NO SCALE		REV. & REDR. OCT., 1999	
DES.	(SUBMITTED)	James A. Kaul	
DRW.	(APPROVED)	STATE ROAD & AIRPORT DESIGN ENGR.	
TRA.		Chief Engineer	
CHK.		NUMBER 1125	